

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 23, 2003, 15:15:57 ; Search time 48 Seconds
(without alignments)
414.793 Million cell updates/sec

Title: AAK91826

Perfect score: 965

Sequence: 1 MRGRSLRGDAPAPPCV.....ATELGSTELVTTKTAGEPQ 184

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpa/US08_NEW_PUB pep.*
2: /cgn2_6/ptodata/1/pubpa/PCT_NEW_PUB pep.*
3: /cgn2_6/ptodata/1/pubpa/US06_NEW_PUB pep.*
4: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB pep.*
5: /cgn2_6/ptodata/1/pubpa/US07_NEW_PUB pep.*
6: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB pep.*
7: /cgn2_6/ptodata/1/pubpa/PCTUS_PUBCOMB pep.*
8: /cgn2_6/ptodata/1/pubpa/US08_PUBCOMB pep.*
9: /cgn2_6/ptodata/1/pubpa/US09_NEW_PUB pep.*
10: /cgn2_6/ptodata/1/pubpa/US09_PUBCOMB pep.*
11: /cgn2_6/ptodata/1/pubpa/US10_NEW_PUB pep.*
12: /cgn2_6/ptodata/1/pubpa/US10_PUBCOMB pep.*
13: /cgn2_6/ptodata/1/pubpa/US60_NEW_PUB pep.*
14: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|--------------------|--------------------|
| 1 | 965 | 100.0 | 184 | US-10-008-063-2 | Sequence 2, Appli |
| 2 | 965 | 100.0 | 184 | US-10-152-363A-60 | Sequence 60, Appli |
| 3 | 815 | 84.5 | 185 | US-10-251-947-2 | Sequence 2, Appli |
| 4 | 755.5 | 78.3 | 170 | US-10-251-947-6 | Sequence 6, Appli |
| 5 | 745 | 77.2 | 171 | US-10-251-947-4 | Sequence 7, Appli |
| 6 | 745 | 77.2 | 171 | US-10-251-947-7 | Sequence 7, Appli |
| 7 | 736.5 | 76.3 | 186 | US-10-251-947-14 | Sequence 14, Appli |
| 8 | 410.5 | 42.5 | 175 | US-10-008-063-13 | Sequence 13, Appli |
| 9 | 384 | 39.8 | 328 | US-10-008-063-42 | Sequence 42, Appli |
| 10 | 120.5 | 12.5 | 1023 | US-09-893-519A-14 | Sequence 14, Appli |
| 11 | 117 | 12.1 | 635 | US-09-738-626-6614 | Sequence 6614, Ap |
| 12 | 114.5 | 11.9 | 418 | US-09-946-807-3 | Sequence 3, Appli |
| 13 | 114.5 | 11.9 | 418 | US-09-795-668-3 | Sequence 3, Appli |
| 14 | 114.5 | 11.9 | 418 | US-09-795-668-3 | Sequence 3, Appli |
| 15 | 105.5 | 10.9 | 550 | US-09-976-740-47 | Sequence 47, Appli |
| 16 | 105.5 | 10.9 | 550 | US-10-023-529-47 | Sequence 47, Appli |
| 17 | 105.5 | 10.9 | 550 | US-10-023-523-47 | Sequence 47, Appli |
| 18 | 104 | 10.8 | 250 | US-10-218-654-31 | Sequence 31, Appli |
| 19 | 104 | 10.8 | 268 | US-10-218-654-23 | Sequence 23, Appli |

| | | | | | | |
|----|-------|------|-----|----|-------------------|--------------------|
| 20 | 104 | 10.8 | 276 | 9 | US-10-218-654-26 | Sequence 26, Appli |
| 21 | 104 | 10.8 | 294 | 9 | US-10-218-654-7 | Sequence 7, Appli |
| 22 | 101 | 10.5 | 375 | 10 | US-09-764-864-886 | Sequence 886, App |
| 23 | 100.5 | 10.4 | 538 | 9 | US-09-976-740-43 | Sequence 43, Appli |
| 24 | 100.5 | 10.4 | 538 | 12 | US-10-023-529-43 | Sequence 43, Appli |
| 25 | 100.5 | 10.4 | 538 | 12 | US-10-023-523-43 | Sequence 43, Appli |
| 26 | 100 | 10.4 | 684 | 9 | US-10-157-031-62 | Sequence 62, Appli |
| 27 | 98.5 | 10.2 | 839 | 9 | US-10-245-103-54 | Sequence 54, Appli |
| 28 | 98.5 | 10.2 | 839 | 9 | US-10-245-107-54 | Sequence 54, Appli |
| 29 | 98.5 | 10.2 | 839 | 9 | US-10-245-143-54 | Sequence 54, Appli |
| 30 | 98.5 | 10.2 | 839 | 9 | US-10-245-771-54 | Sequence 54, Appli |
| 31 | 98.5 | 10.2 | 839 | 9 | US-10-245-851-54 | Sequence 54, Appli |
| 32 | 98.5 | 10.2 | 839 | 9 | US-10-245-883-54 | Sequence 54, Appli |
| 33 | 98.5 | 10.2 | 839 | 9 | US-10-237-535-54 | Sequence 54, Appli |
| 34 | 98.5 | 10.2 | 839 | 9 | US-10-238-183-54 | Sequence 54, Appli |
| 35 | 98.5 | 10.2 | 839 | 9 | US-10-238-283-54 | Sequence 54, Appli |
| 36 | 98.5 | 10.2 | 839 | 9 | US-10-238-370-54 | Sequence 54, Appli |
| 37 | 98.5 | 10.2 | 839 | 9 | US-10-245-055-54 | Sequence 54, Appli |
| 38 | 98.5 | 10.2 | 839 | 9 | US-10-245-147-54 | Sequence 54, Appli |
| 39 | 98.5 | 10.2 | 839 | 9 | US-10-245-730-54 | Sequence 54, Appli |
| 40 | 98.5 | 10.2 | 839 | 9 | US-10-245-739-54 | Sequence 54, Appli |
| 41 | 98.5 | 10.2 | 839 | 9 | US-10-246-210-54 | Sequence 54, Appli |
| 42 | 98.5 | 10.2 | 839 | 9 | US-10-239-136-54 | Sequence 54, Appli |
| 43 | 98.5 | 10.2 | 839 | 9 | US-10-243-024-54 | Sequence 54, Appli |
| 44 | 98.5 | 10.2 | 839 | 9 | US-10-243-409-54 | Sequence 54, Appli |
| 45 | 98.5 | 10.2 | 839 | 9 | US-10-245-033-54 | Sequence 54, Appli |

ALIGNMENTS

RESULT 1
US-10-008-063-2
; Sequence 2, Application US/10008063
; Publication No. US20030092164A1

GENERAL INFORMATION:

APPLICANT: Gross, Jane A.

APPLICANT: Xu, Wenfeng

APPLICANT: Henne, Randal M.

APPLICANT: Grant, Francis, J.

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor

FILE REFERENCE: 00-103

CURRENT APPLICATION NUMBER: US/10/008.063

CURRENT FILING DATE: 2001-11-05

NUMBER OF SEQ ID NOS: 46

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 184

TYPE: PRT

ORGANISM: Homo sapiens

US-10-008-063-2

Query Match 100.0%; Score 965; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.1e-67;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

| | | | |
|----|-----|----------------------------------------------------------|-----|
| QY | 1 | MRGRSLRGDAPAPPCVPAECEDLVRCVACGLRTPRPKAGSSAPAPRALPO | 60 |
| DB | 1 | MRGRSLRGDAPAPPCVPAECEDLVRCVACGLRTPRPKAGSSAPAPRALPO | 60 |
| QY | 61 | ESVGAGAEALPLPGLLFGAPALGLALVALVGLVSMRRRRRARGSSAABAPDGD | 120 |
| DB | 61 | ESVGAGAEALPLPGLLFGAPALGLALVALVGLVSMRRRRRARGSSAABAPDGD | 120 |
| QY | 121 | KDAPPLDKVILISGISDAPAPMPPEGDEGTTTTPGHSVVPATLIGSTELVTTKTAG | 180 |
| DB | 121 | KDAPPLDKVILISGISDAPAPMPPEGDEGTTTTPGHSVVPATLIGSTELVTTKTAG | 180 |
| QY | 181 | PEQG 184 | |
| DB | 181 | PEQG 184 | |

RESULT 2
US-10-152-363A-60
; Sequence 60, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; FILE REFERENCE: 01-20
; CURRENT APPLICATION NUMBER: US/10/152,363A
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 60
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-152-363A-60

Query Match 100.0%; Score 965; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.1e-67;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPKAGASSPAPRTALOPQ 60
DB 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPKAGASSPAPRTALOPQ 60
QY 61 ESVGAGAGEAALPLPGLLFGAPALLGLALVTLVGLVSMRRORRLRGASAEAPDGD 120
DB 61 ESVGAGAGEAALPLPGLLFGAPALLGLALVTLVGLVSMRRORRLRGASAEAPDGD 120
QY 121 KDAPEPLDKVITLSPGISDATAPAMPPEGDEGTTTPGHSVVPATLSTELVTTKTAG 180
DB 121 KDAPEPLDKVITLSPGISDATAPAMPPEGDEGTTTPGHSVVPATLSTELVTTKTAG 180
QY 181 PEOQ 184
DB 181 PEOQ 184

RESULT 3
US-10-251-947-2
; Sequence 2, Application US/10251947
; Publication No. US20030099990A1
; GENERAL INFORMATION:
; APPLICANT: Heu, Hailing
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
; FILE REFERENCE: 01-1160-A
; CURRENT APPLICATION NUMBER: US/10/251,947
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-947-2

Query Match 84.5%; Score 815; DB 9; Length 185;
Best Local Similarity 85.9%; Pred. No. 4.7e-56;
Matches 159; Conservative 7; Mismatches 17; Indels 2; Gaps 2;

QY 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPK-PAGASSPAPRTALOP 59
DB 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPK-PAGASSPAPRTALOP 60
QY 60 QESVAGAGEAALPLPGLLFGAPALLGLALVTLVGLVSMRRORRLRGASAEAPDGD 119
DB 61 QESVAGAGEAALPLPGLLFGAPALLGLALVTLVGLVSMRRORRLRGASAEAPDGD 120
QY 120 DK-DAPEPLDKVITLSPGISDATAPAMPPEGDEGTTTPGHSVVPATLSTELVTTKT 178

DB 121 DKAAPEPLDKVITLSPGISDATAPAMPPEGDEGTTTPGHSVVPATLSTELVTTKT 180
QY 179 AGEPO 183
DB 181 AGEPO 185

RESULT 4
US-10-251-947-6
; Sequence 6, Application US/10251947
; Publication No. US20030099990A1
; GENERAL INFORMATION:
; APPLICANT: Heu, Hailing
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
; FILE REFERENCE: 01-1160-A
; CURRENT APPLICATION NUMBER: US/10/251,947
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-947-6

Query Match 78.3%; Score 755.5; DB 9; Length 170;
Best Local Similarity 79.8%; Pred. No. 1.8e-51;
Matches 146; Conservative 7; Mismatches 17; Indels 13; Gaps 1;

QY 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPKAGASSPAPRTALOPQ 60
DB 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPKAGASSPAPRTALOPQ 60
QY 61 ESVGAGAGEAALPLPGLLFGAPALLGLALVTLVGLVSMRRORRLRGASAEAPDGD 120
DB 61 ESVGAGAGEAALPLPGLLFGAPALLGLALVTLVGLVSMRRORRLRGASAEAPDGD 120
QY 121 KDAPEPLDKVITLSPGISDATAPAMPPEGDEGTTTPGHSVVPATLSTELVTTKTAG 180
DB 121 K-----AGTTDAIPAMPPEGDEGTTTPGHSVVPATLSTELVTTKTAG 167
QY 181 PEO 183
DB 168 PEO 170

RESULT 5
US-10-251-947-4
; Sequence 4, Application US/10251947
; Publication No. US20030099990A1
; GENERAL INFORMATION:
; APPLICANT: Heu, Hailing
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
; FILE REFERENCE: 01-1160-A
; CURRENT APPLICATION NUMBER: US/10/251,947
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-947-4

Query Match 77.2%; Score 745; DB 9; Length 171;
Best Local Similarity 79.3%; Pred. No. 1.1e-50;
Matches 146; Conservative 7; Mismatches 17; Indels 14; Gaps 2;

QY 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPK-PAGASSPAPRTALOP 59
DB 1 MRGRPSLRGRDAPAPTPCVPAECFDLVHRCVACGLLRTPRPK-PAGASSPAPRTALOP 60

QY 60 QESVAGAGEALPLPGLLFGAPALLGLVTLVVLVGLVSWRRQRRLRGASSAEPDQ 119
DB 61 QESVGSSEVSLPLPGLLFGAPALLGLVTLVVLVGLVSWRRQRRLRGASTAEPDQ 120
QY 120 DQDAPEPLDKVLIISGIDATAPAMPPEGDEPGTTPPGHSVPVPAATELGSTELVTTKTA 179
DB 121 DK-----AGTTDATAPAMPPEGDEGTTPPGHSIPVPAATELGSTELVTTKTA 167
QY 180 GPEQ 183
DB 168 GPEQ 171
RESULT 6
US-10-251-947-7
Sequence 7, Application US/10251947
Publication No. US20030093990A1
GENERAL INFORMATION:
APPLICANT: Hsu, Hailing
TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
FILE REFERENCE: 01-1160-A
CURRENT APPLICATION NUMBER: US/10/251,947
CURRENT FILING DATE: 2002-09-20
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 7
LENGTH: 171
TYPE: PRT
ORGANISM: Homo sapiens
US-10-251-947-7

Query Match 77.2%; Score 745; DB 9; Length 171;
Best Local Similarity 79.3%; Pred. No. 1, 1e-50;
Matches 146; Conservative 7; Mismatches 17; Indels 14; Gaps 2;
QY 1 MRRGPRSLRGDAPAPTPCVPAECFDLVRHCVAAGLRTPPRK-PAGASSAPAPRTALQ 59
DB 1 MRRGPRSLRGDAPAPTPCVPTCECYDLVRKCVDCRLKSPKTAAGASSAPAPRTALQ 60
QY 60 QESVAGAGEALPLPGLLFGAPALLGLVTLVVLVGLVSWRRQRRLRGASSAEPDQ 119
DB 61 QESVGSSEVSLPLPGLLFGAPALLGLVTLVVLVGLVSWRRQRRLRGASTAEPDQ 120
QY 120 DQDAPEPLDKVLIISGIDATAPAMPPEGDEPGTTPPGHSVPVPAATELGSTELVTTKTA 179
DB 121 DK-----AGTTDATAPAMPPEGDEGTTPPGHSIPVPAATELGSTELVTTKTA 167
QY 180 GPEQ 183
DB 168 GPEQ 171

RESULT 7
US-10-251-947-14
Sequence 14, Application US/10251947
Publication No. US20030093990A1
GENERAL INFORMATION:
APPLICANT: Hsu, Hailing
TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
FILE REFERENCE: 01-1160-A
CURRENT APPLICATION NUMBER: US/10/251,947
CURRENT FILING DATE: 2002-09-20
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 14
LENGTH: 186
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: TALL-1R
OTHER INFORMATION: polypeptide derived from the amino acid sequence
OTHER INFORMATION: alignment shown in Figure 8A
FEATURE:

NAME/KEY: UNSURE
LOCATION: (146)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (124)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (125)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (126)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (127)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (128)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (129)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (130)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (131)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (132)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (133)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (134)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (135)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (136)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.
FEATURE:
NAME/KEY: UNSURE
LOCATION: (137)
OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
OTHER INFORMATION: or is absent.

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/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: (138)
/ OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid.
/ OTHER INFORMATION: or is absent.
US-10-251-947-14
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Query Match          76.3%; Score 736.5; DB 9; Length 186;
Best Local Similarity 78.5%; Pred. No. 5.8e-50;
Matches 146; Conservative 7; Mismatches 30; Indels 3; Gaps 2;
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QY 1 MRGPRSLRGRDAPPTPCVPAECFDLLVRHCVACGLRTPRPKP-AGASSPAPRTALOP 59
DB 1 MRGPRSLRGRDAPPTPCVPTCECYDLVRKCYDCRLRKSPPKTXAGASSPAPRTALOP 60
QY 60 QESVAGAGEALPLPGILFGAPALGLALVLAIVLVGVSMRRORRLRGASSAPADG 119
DB 61 QESVGTGSEVSLPLPGELFGAPALGLVLAIVLVGVSMRRORRLRGASSAPADG 120
QY 120 DK--DAPEPLDKYIILSPGISDATAPAMPPEGSDPGTTPPGHGVVPVATELSTELVTTK 177
DB 121 DKAXXXXXXXXXXXXXXXXXGTDTATAPAMPPEGSDGTTTPPGHSIPVPADELSTELVTTK 180
QY 178 TAGPEQ 183
DB 181 TAGPEQ 186
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RESULT 8
US-10-008-063-13
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/ Sequence 13, Application US/10008063
/ Publication No. US20030092164A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Gross, Jane A.
/ APPLICANT: Xu, Wenfeng
/ APPLICANT: Henne, Randal M.
/ APPLICANT: Grant, Francis, J.
/ TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
/ FILE REFERENCE: 00-103
/ CURRENT APPLICATION NUMBER: US/10/008,063
/ CURRENT FILING DATE: 2001-11-05
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: FastSeq for Windows Version 4.0
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/ SEQ ID NO 13
/ LENGTH: 175
/ TYPE: PRT
/ ORGANISM: Mouse
US-10-008-063-13
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Query Match          42.5%; Score 410.5; DB 9; Length 175;
Best Local Similarity 56.1%; Pred. No. 9.7e-25;
Matches 101; Conservative 9; Mismatches 55; Indels 15; Gaps 6;
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QY 6 RSLRGDAPPTPCVPAECFDLLVRHCVACGLRTPRPKPAGASSPAPRTALOPQESVGA 65
DB 9 RSGRSHDSVPTQCNQTECFDPLVRNCVSCLEPHT--PDGHTSSLEPGTALQPE---- 62
QY 66 GAGEALPLPGILFGAPALGLALVLAIVLVGVSMRRORRLRGASSAPADGDKA- 123
DB 63 --GSARPDVALVGAAPALGLLALVGLVSVSRMRQ-OLRTAS----PDSEGVQ 115
QY 124 PEPLDKYIILSPGISDATAPAMPPEGSDPGTTPPGHGVVPVATELSTELVTTKTAGPEQ 183
DB 116 QESLENVFVPSSTPHASAPTWPELKEADDSALPRHSVVPAPAELESTELVTTKTAGPEQ 175
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RESULT 9
US-10-008-063-42
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/ Sequence 42, Application US/10008063
/ Publication No. US20030092164A1
/ GENERAL INFORMATION:
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/ APPLICANT: Gross, Jane A.
/ APPLICANT: Xu, Wenfeng
```

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/ APPLICANT: Henne, Randal M.
/ APPLICANT: Grant, Francis, J.
/ TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
/ FILE REFERENCE: 00-103
/ CURRENT APPLICATION NUMBER: US/10/008,063
/ CURRENT FILING DATE: 2001-11-05
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 42
/ LENGTH: 328
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Znftr12-rcs-Fc5.
US-10-008-063-42
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Query Match          39.8%; Score 384; DB 9; Length 328;
Best Local Similarity 100.0%; Pred. No. 2.2e-22;
Matches 72; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MRGPRSLRGRDAPPTPCVPAECFDLLVRHCVACGLRTPRPKPAGASSPAPRTALOP 60
DB 20 MRGPRSLRGRDAPPTPCVPAECFDLLVRHCVACGLRTPRPKPAGASSPAPRTALOP 79
QY 61 ESVGAGAGEAL 72
DB 80 ESVGAGAGEAL 91
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RESULT 10
US-09-893-519A-14
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/ Sequence 14, Application US/09893519A
/ Publication No. US2003002743A1
/ GENERAL INFORMATION:
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/ APPLICANT: ANADYS PHARMACEUTICALS, INC.
/ APPLICANT: THOMPSON, Craig
/ APPLICANT: MOORE, Jeffrey
/ APPLICANT: BURMAN, Ed T.
/ APPLICANT: BRADLEY, John
/ APPLICANT: DESTIVA, Thamara
/ APPLICANT: HARRIS, Sandra
/ APPLICANT: KOMARITSKY, Svetlana
/ APPLICANT: MENDILLO, Marc
/ APPLICANT: MOORE, Daniel
/ APPLICANT: MCCOY, Melissa
/ APPLICANT: SANDERSON, Karen
/ APPLICANT: HAO, Tariq
/ APPLICANT: ZHU, Shuhao
/ APPLICANT: LONG, Fan
/ APPLICANT: DAVIDOV, Eugene
/ TITLE OF INVENTION: ANTIFUNGAL COMPOUNDS AND METHODS OF USE
/ FILE REFERENCE: 0342/1G548-US2
/ CURRENT APPLICATION NUMBER: US/09/893,519A
/ CURRENT FILING DATE: 2001-06-28
/ PRIOR APPLICATION NUMBER: US 60/215,164
/ PRIOR FILING DATE: 2000-06-29
/ PRIOR APPLICATION NUMBER: US 60/224,457
/ PRIOR FILING DATE: 2000-08-10
/ NUMBER OF SEQ ID NOS: 146
/ SOFTWARE: PatentIn version 3.1.
/ SEQ ID NO 14
/ LENGTH: 1023
/ TYPE: PRT
/ ORGANISM: Homo sapiens
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/ FEATURE:
/ NAME/KEY: misc_feature
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/ OTHER INFORMATION: Corresponds to SEQ ID NO: 87
/ PUBLICATION INFORMATION:
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/ DATABASE ACCESSION NUMBER: Human Genbank/CAAT2189
/ DATABASE ENTRY DATE: 1997-06-25
/ RELEVANT RESIDUES: (1)..(1023)
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US-09-893-519A-14
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Query Match 12.5%; Score 120.5; DB 9; Length 1023;
Best Local Similarity 27.4%; Pred. No. 0.21;
Matches 63; Conservative 11; Mismatches 93; Indels 63; Gaps 9;

QY 2 RRGPSLRGRDAPATPCVPACFDLLVHVCAGGLTRPRKPAAGS 49
DB 104 RRGPSLRGRDAPATPCVPACFDLLVHVCAGGLTRPRKPAAGS 158
QY 50 SPAPRTALQPSVAGAGALPLPG-----LFGAPALL----- 85
DB 159 KAGAPALALAAAGPGGPGGPGGPGGKAGAGAAOTLNGSALLNSHMAAPAVSLVNN 218
QY 86 GLALVLAIVLVLGVSWRRQRRLRGASAAEPDGDADPELDKVIISPGISDAPAPM 145
DB 219 GPALLLPKPAAPGTVIQTTPPVGAAAPAP-----AASPAPAPAPAP-----AAPPP 270
QY 146 PPGGPGTTPPGH-----SVPVAT-----ELGSTELVTTTAP 181
DB 271 PPAAPATLAPPGHAPGAPPTAPAVPPAPAAQNGSAGAAPAPAPAGP 320

RESULT 11
US-09-738-626-6614
; Sequence 6614, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 6614
; LENGTH: 635
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6614

Query Match 12.1%; Score 117; DB 9; Length 635;
Best Local Similarity 26.2%; Pred. No. 0.23;
Matches 42; Conservative 17; Mismatches 53; Indels 48; Gaps 6;

QY 14 PAPTCVPACFDLLVHVCAGGLTRPRKPAAGSAPRTALQPSVAGAGALP 73
DB 104 PVPSSIPAPGRAL-----PTPVAPGGSVPAPRASAPAVPVVAPAPG-AAVP 149
QY 74 LFGAL-LFGAPALLGLALVLAIVLVLGVSWRRQRRLRGASAAEPDGDADPELDKVI 132
DB 150 AFGISIPAPASAPGSAI-----PTPGTALPVPSSATPV 182
QY 133 LSPGIS--DATAAMPPE---DPGTPPGHSHVVPAT 166
DB 183 PAVGVAPGASVSIIVPGSVTPPAPGISAFGALTPPS 222

RESULT 12
US-09-946-807-3

; Sequence 3, Application US/09946807
; Patent No. US20020165144A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorodottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/946,807
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US/09/795,668
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-946-807-3

Query Match 11.9%; Score 114.5; DB 9; Length 418;
Best Local Similarity 29.3%; Pred. No. 0.22;
Matches 54; Conservative 14; Mismatches 55; Indels 61; Gaps 10;

QY 2 RRGPSLRGRDAPATPCVPACFDLLVHVCAGGLTRPRKPAAGASP-----APRTL 57
DB 4 RRAPRR-SGRPGP-----RAQRGSAARSSPPLPLPLLL 38
QY 58 QPQSVGAGAGALPLPLGLLFGAPALG-----LALVLAIVLVLGVSWRRQR-----RLR 109
DB 39 LGTAAPGAAAGNEAP-AGASVCSPSPSVGVGLAQRVAIVIEGVHQRQGLDRKA 97
QY 110 GASSAAP-DGDKAPELDKVIISPGISDAPAP-AMPPEGP-----GTPPGHSHV 161
DB 98 AAAAGBAGAWGDRREP-----AAGPRALGPPEBPLLAANGTVSWPTA 142
QY 162 PVPA 165
DB 143 PVPS 146

RESULT 13
US-09-795-668-3
; Sequence 3, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorodottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-668-3

Query Match 11.9%; Score 114.5; DB 10; Length 418;
Best Local Similarity 29.3%; Pred. No. 0.22;
Matches 54; Conservative 14; Mismatches 55; Indels 61; Gaps 10;

QY 2 RRGPSLRGRDAPATPCVPACFDLLVHVCAGGLTRPRKPAAGASP-----APRTL 57
DB 4 RRAPRR-SGRPGP-----RAQRGSAARSSPPLPLPLLL 38

QY 58 QPOESVAGAGAGALPLPGLLFGAPALLG---LATLVLTALVGLVSWRRROR----RLR 109
Db 39 LGTAAPGAAGNEAP-AGASVCSPPSVGVQELAAAVVIGSKVHPQRQGGALDRKA 97
QY 110 GASSAEP--DGKDAPEPLDKVIIISPGISDATAP-AMPPGEGD-----GTPPGHSV 161
Db 98 AAAAGGAGAGWGGRREP-----AAGPRALGPAAEEPLAANGTVPSWPTA 142
QY 162 PVPA 165
Db 143 PVPS 146

RESULT 14

US-09-795-686-3
; Sequence 3, Application US/09795686
; Patent No. US2002009495A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinhorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345,2005-001
; CURRENT APPLICATION NUMBER: US/09/795,686
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-686-3

Query Match 11.9%; Score 114.5; DB 10; Length 418;
Best Local Similarity 29.3%; Pred. No. 0.22;
Matches 54; Conservative 14; Mismatches 55; Indels 61; Gaps 10;

QY 2 RRGPRSLRGDAPAPPCVPAECFDLVRHCVACGLLRTPRPKAGASSP-----APRTAL 57
Db 4 RRAPRR-SGRPG-----RAQPGSAARSSPPLPLPLLL 38
QY 58 QPOESVAGAGAGALPLPGLLFGAPALLG---LATLVLTALVGLVSWRRROR----RLR 109
Db 39 LGTAAPGAAGNEAP-AGASVCSPPSVGVQELAAAVVIGSKVHPQRQGGALDRKA 97
QY 110 GASSAEP--DGKDAPEPLDKVIIISPGISDATAP-AMPPGEGD-----GTPPGHSV 161
Db 98 AAAAGGAGAGWGGRREP-----AAGPRALGPAAEEPLAANGTVPSWPTA 142
QY 162 PVPA 165
Db 143 PVPS 146

RESULT 15

US-09-976-740-47
; Sequence 47, Application US/09976740
; Publication No. US20020194633A1
; GENERAL INFORMATION:
; APPLICANT: Lees, Ann M.
; APPLICANT: Lees, Robert S.
; APPLICANT: Law, Simon W.
; APPLICANT: Arjona, Anibal A.
; TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING
; TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING
; FILE REFERENCE: 10797-004001
; CURRENT APPLICATION NUMBER: US/09/976,740
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 09/616,289
; PRIOR FILING DATE: 2000-07-14

; PRIOR APPLICATION NUMBER: US 08/979,608
; PRIOR FILING DATE: 1997-11-26
; PRIOR APPLICATION NUMBER: US 60/031,930
; PRIOR FILING DATE: 1996-11-27
; PRIOR APPLICATION NUMBER: US 60/048,547
; PRIOR FILING DATE: 1997-06-03
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-976-740-47

Query Match 10.9%; Score 105.5; DB 9; Length 550;
Best Local Similarity 26.7%; Pred. No. 1.5;
Matches 54; Conservative 10; Mismatches 65; Indels 73; Gaps 10;

QY 2 RRG-----PRSLRG-----RDAPAPTPCVPAECFDLVRHCVACGLLRTPRPKP-AGASS 50
Db 104 RRGATPPAPPPAPPGGPAAPAPPTPAP-----PPAPVAAAAA 144
QY 51 P-APRTALQPOESVAGAGAGALPLPGLLFGAPALLGLALVLTALVGLVSWRRRORRL 108
Db 145 PARAPRAA-----AAAAAATAPSPG-----PAQPG-----PRAQRAA 177
QY 109 RGAS-----SAAPPDGKDAPEPLDKVIIISPGISDATAPAMPPGEGDGTTPPGH 159
Db 178 PLAAAPPAPAPPAAPPAAPGPRAPPAANAARSPPLPPPPAPPAPOOOOOPPPPPP 237
QY 160 SVPVPAELGSTEIVTKTAP 181
Db 238 QQPQPEEGCA-----ARAGP 254

Search completed: June 23, 2003, 15:25:22
Job time : 50 secs

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STRANDEDNESS:
TOPOLOGY: linear
US-08-469-569-170

Query Match 11.8%; Score 113.5; DB 1; Length 422;
Best Local Similarity 28.3%; Pred. No. 0.012;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPRRLRGDAPPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASSP-----51
DB 4 RRAPRR-SGRPGP-----RAQPRGSAARSSPPLPLPLLL 38
QY 52 APRTALQPOESVAGAGGAPLPL-PGLLFGAPALLG-----LALVIALVIGIVSMRROR 106
DB 39 LGTAALAP-----GAAGNEAPAGASVCYSSPPSVGSVOELQRAAVVIEGKTHPQRROQ 94
QY 107 ----RLRGASSAEP--DGDKAPEPLDKVITLSPGISDAPAP-AMPPGEDP-----GT 154
DB 95 GALDRKAAAAGAGAGAGWGSDREPP-----AAGPRALGPAPPEPLLAANGT 139
DB 155 TPGHSPVPA 165
DB 140 VPSWPTAPVPS 150

RESULT 13
US-08-428-926-3

Sequence 3, Application US/08428926
Patent No. 5667780

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Heien

APPLICANT: Osherooff, Phyllis L.

TITLE OF INVENTION: SENSOR AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,926

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9681

TELEPHONE: 910/371-7168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 422 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-926-3

Query Match 11.8%; Score 113.5; DB 1; Length 422;
Best Local Similarity 28.3%; Pred. No. 0.012;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

2 RRGPRRLRGDAPPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASSP-----51

DB 4 RRAPRR-SGRPGP-----RAQPRGSAARSSPPLPLPLLL 38

QY 52 APRTALQPOESVAGAGGAPLPL-PGLLFGAPALLG-----LALVIALVIGIVSMRROR 106

DB 39 LGTAALAP-----GAAGNEAPAGASVCYSSPPSVGSVOELQRAAVVIEGKTHPQRROQ 94

QY 107 ----RLRGASSAEP--DGDKAPEPLDKVITLSPGISDAPAP-AMPPGEDP-----GT 154

DB 95 GALDRKAAAAGAGAGAGWGSDREPP-----AAGPRALGPAPPEPLLAANGT 139

DB 155 TPGHSPVPA 165

DB 140 VPSWPTAPVPS 150

RESULT 14
US-08-249-322A-170

Sequence 170, Application US/08249322A
Patent No. 5716930

GENERAL INFORMATION:

APPLICANT: Goodheart, Andrew; Stroobant, Paul;

APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;

APPLICANT: Chen, Mao Su; Hiles, Ian

TITLE OF INVENTION: Glial Mitogenic Factors, Their

TITLE OF INVENTION: Preparation and Use

NUMBER OF SEQUENCES: 184

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Felte & Lynch

STREET: 805 Third Avenue

CITY: New York City

STATE: New York

COUNTRY: USA

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage

COMPUTER: IBM

OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/249,322A

FILING DATE: 26-MAY-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/036,555

FILING DATE: 24-MAR-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/965,173

FILING DATE: 23-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/940,389

FILING DATE: 03-SEP-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/907,138

FILING DATE: 30-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: U.K. 91 07566.3

FILING DATE: 10-APRIL-1991

ATTORNEY/AGENT INFORMATION:

NAME: Tsai, Christine H.

REGISTRATION NUMBER: 34,266

REFERENCE/DOCKET NUMBER: LUD 250.4

TELEPHONE: (212) 688-9200

TELEFAX: (212) 838-3884

INFORMATION FOR SEQ ID NO: 170:

SEQUENCE CHARACTERISTICS:

LENGTH: 422

TYPE: amino acid

STRANDEDNESS:

QY 52 APTTALQPOESVAGAGEALPL-PGLLFGAPALLG---LALVALVLVGLVSMRROR 106
DB 39 LGTALAP-----GAAAGNEAAPAGASVCYSSPPSVQELQRAAVIEGKVHPORROQ 94
QY 107 -----RLRGASABAP--DGDKDAPEPLDKVIIISPGISDATAP--AMPPEGDEP-----GT 154
DB 95 GALDRKAAAGAGAGAGAGAGGDRPP-----AAGPRALGPABEPLLAANGT 139
QY 155 TTPGHSVPVPA 165
DB 140 VPSWPTAPVPS 150

RESULT 11
US-08-036-555B-170
Sequence 170, Application US/08036555B
Patent No. 5530109
GENERAL INFORMATION:
APPLICANT: Goodheart, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionl, Mark;
APPLICANT: Chen, Malo Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felte & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/036,555B
FILING DATE: 24-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teal, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 170:
SEQUENCE CHARACTERISTICS:
LENGTH: 422
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-036-555B-170

Query Match 11.8%; Score 113.5; DB 1; Length 422;
Best Local Similarity 28.3%; Pred.No.0.012; 51; Indels 71; Gaps 11;
Matches 54; Conservative 15; Mismatches 51;

QY 2 RRGPSRLGRDAPAPTPCVPACFDLLVNHCVACGLRTPRPKPAGASSP----- 51
DB 4 RAAPRR-SGRPBP-----TAORGSABASSPPLPLPLULL 38
QY 52 APTTALQPOESVAGAGEALPL-PGLLFGAPALLG---LALVALVLVGLVSMRROR 106
DB 39 LGTALAP-----GAAAGNEAAPAGASVCYSSPPSVQELQRAAVIEGKVHPORROQ 94
QY 107 -----RLRGASABAP--DGDKDAPEPLDKVIIISPGISDATAP--AMPPEGDEP-----GT 154
DB 95 GALDRKAAAGAGAGAGAGAGGDRPP-----AAGPRALGPABEPLLAANGT 139
QY 155 TTPGHSVPVPA 165
DB 140 VPSWPTAPVPS 150

RESULT 12
US-08-469-569-170
Sequence 170, Application US/08469569
Patent No. 5606032
GENERAL INFORMATION:
APPLICANT: Goodheart, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionl, Mark;
APPLICANT: Chen, Malo Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felte & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,569
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teal, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 170:
SEQUENCE CHARACTERISTICS:
LENGTH: 422
TYPE: amino acid

```
/ Patent No. 6444642
/ GENERAL INFORMATION:
/ APPLICANT: Sklar, Robert
/ APPLICANT: Marchionni, Mark
/ APPLICANT: Gwynne, David I.
/ TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
/ FILE REFERENCE: 04585/028003
/ CURRENT APPLICATION NUMBER: US/08/467,602C
/ EARLIER FILING DATE: 1995-06-06
/ EARLIER APPLICATION NUMBER: 08/209,204
/ EARLIER FILING DATE: 1994-03-08
/ EARLIER APPLICATION NUMBER: 08/059,022
/ EARLIER FILING DATE: 1993-05-06
/ NUMBER OF SEQ ID NOS: 420
/ SOFTWARE: FaastSeq for Windows Version 4.0
/ SEQ ID NO 384
/ LENGTH: 405
/ TYPE: PR1
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: VARIANT
/ LOCATION: (34)...(34)
/ OTHER INFORMATION: Xaa is any amino acid
US-08-467-602-384
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Query Match 11.8%; Score 113.5; DB 4; Length 405;
Best Local Similarity 28.3%; Pred. No. 0.011;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
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QY 2 RRGPSLRGRDAPAPPCVPAECFDLVHHCVACGLTRPRKPAAGASP-----51
DB 38 RRAPRR-SGRPGP-----RQRPSSAARSSPPLPLPLLL 72
QY 52 APTALQPOESVAGAGEALPL-PGLLFGAPALLG---LALVIALVLGVLSWRRROR 106
DB 73 LGTAALAP---GAAAGNEAAPAGASVCYSSPVSVQELAQRAAVIEGVHPQRROQ 128
QY 107 ----RLRGASSAEP--DGDKDAPEPLDKVILSPGSDATP-AMPPGSDP-----GT 154
DB 129 GALDRKAAAGAGAGAGMGGRREP-----AAGPRALGPPEEPLLAANGT 173
QY 155 TPGHSPVPA 165
DB 174 VPSWPTAPVPS 184
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RESULT 9

```
08-470-339-189
Sequence 189, Application US/08470339C
Patent No. 6232286
```

```
/ GENERAL INFORMATION:
/ APPLICANT: GOODEARL, ANDREW
/ APPLICANT: STROOBANT, PAUL
/ APPLICANT: MINGHETTI, LUISA
/ APPLICANT: WATERFIELD, MICHAEL
/ APPLICANT: MARCHIONNI, MARK
/ APPLICANT: CHEN, MARIO S.
/ APPLICANT: HILES, IAN
```

```
/ TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
/ FILE REFERENCE: 04585/002008
/ CURRENT APPLICATION NUMBER: US/08/470,339C
/ CURRENT FILING DATE: 1995-06-06
/ EARLIER APPLICATION NUMBER: 08/036,555
/ EARLIER FILING DATE: 1993-03-24
/ EARLIER APPLICATION NUMBER: 07/940,389
/ EARLIER FILING DATE: 1992-09-03
/ EARLIER APPLICATION NUMBER: 07/907,138
/ EARLIER FILING DATE: 1992-06-30
/ EARLIER APPLICATION NUMBER: 07/863,703
/ EARLIER FILING DATE: 1992-04-03
/ EARLIER APPLICATION NUMBER: 91 07566.3 GB
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/ EARLIER FILING DATE: 1999-04-10
/ NUMBER OF SEQ ID NOS: 226
/ SOFTWARE: FaastSeq for Windows Version 4.0
/ SEQ ID NO 189
/ LENGTH: 411
/ TYPE: PR1
/ ORGANISM: Homo sapiens
US-08-470-339-189
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```
Query Match 11.8%; Score 113.5; DB 4; Length 411;
Best Local Similarity 28.3%; Pred. No. 0.012;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
```

```
QY 2 RRGPSLRGRDAPAPPCVPAECFDLVHHCVACGLTRPRKPAAGASP-----51
DB 4 RRAPRR-SGRPGP-----RQRPSSAARSSPPLPLPLLL 38
QY 52 APTALQPOESVAGAGEALPL-PGLLFGAPALLG---LALVIALVLGVLSWRRROR 106
DB 39 LGTAALAP---GAAAGNEAAPAGASVCYSSPVSVQELAQRAAVIEGVHPQRROQ 94
QY 107 ----RLRGASSAEP--DGDKDAPEPLDKVILSPGSDATP-AMPPGSDP-----GT 154
DB 95 GALDRKAAAGAGAGAGMGGRREP-----AAGPRALGPPEEPLLAANGT 139
QY 155 TPGHSPVPA 165
DB 140 VPSWPTAPVPS 150
```

RESULT 10

```
US-08-470-339-188
Sequence 188, Application US/08470339C
Patent No. 6232286
```

```
/ GENERAL INFORMATION:
/ APPLICANT: GOODEARL, ANDREW
/ APPLICANT: STROOBANT, PAUL
/ APPLICANT: MINGHETTI, LUISA
/ APPLICANT: WATERFIELD, MICHAEL
/ APPLICANT: MARCHIONNI, MARK
/ APPLICANT: CHEN, MARIO S.
/ APPLICANT: HILES, IAN
```

```
/ TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
/ FILE REFERENCE: 04585/002008
/ CURRENT APPLICATION NUMBER: US/08/470,339C
/ CURRENT FILING DATE: 1995-06-06
/ EARLIER APPLICATION NUMBER: 08/036,555
/ EARLIER FILING DATE: 1993-03-24
/ EARLIER APPLICATION NUMBER: 07/940,389
/ EARLIER FILING DATE: 1992-09-03
/ EARLIER APPLICATION NUMBER: 07/907,138
/ EARLIER FILING DATE: 1992-06-30
/ EARLIER APPLICATION NUMBER: 07/863,703
/ EARLIER FILING DATE: 1992-04-03
/ EARLIER APPLICATION NUMBER: 91 07566.3 GB
/ EARLIER FILING DATE: 1999-04-10
/ NUMBER OF SEQ ID NOS: 226
/ SOFTWARE: FaastSeq for Windows Version 4.0
/ SEQ ID NO 188
/ LENGTH: 414
/ TYPE: PR1
/ ORGANISM: Homo sapiens
US-08-470-339-188
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Query Match 11.8%; Score 113.5; DB 4; Length 414;
Best Local Similarity 28.3%; Pred. No. 0.012;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
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QY 2 RRGPSLRGRDAPAPPCVPAECFDLVHHCVACGLTRPRKPAAGASP-----51
DB 4 RRAPRR-SGRPGP-----RQRPSSAARSSPPLPLPLLL 38
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```

; APPLICANT: GOODEARL, ANDREW
; APPLICANT: STROOBANT, PAUL
; APPLICANT: MINGHETTI, LUISA
; APPLICANT: WATERFIELD, MICHAEL
; APPLICANT: MARCHIONNI, MARK
; APPLICANT: CHEN, MARIO S.
; APPLICANT: HILES, IAN
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; FILE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 04585/00200B
; CURRENT APPLICATION NUMBER: US/08/470,335F
; EARLIER FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/036,555
; EARLIER FILING DATE: 1993-03-24
; NUMBER OF SEQ ID NOS: 352
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 210
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
08-470-335-210

Query Match
11.8%; Score 113.5; DB 4; Length 248;
Best Local Similarity 28.3%; Pred. No. 0.0065;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPSLRGRDAPATPCVPAECFLLVHCVACGLRTPRPKPAGASSP-----51
DB 4 RRAPRR-SGRPGP-----RAORPSAARSSPPLPLLL 38
QY 52 APTALQPOESVAGAGGALPL-PGLIFGAPALIG-----LALVLAIVGLVSWRROR 106
DB 39 LGTALALP-----GAAGNEAAPAGASVCSSPSVGSVQELAQRAAVVIEGVHPQRQO 94
QY 107 ----RLRGASSAEP--DGDKAPEPLDKVILISPGISDATAP-AMPPGEDP-----GT 154
DB 95 GALDKRAAAAAGAGAGAGMGDRP-----AAGPRALGPAAEPPLAANGT 139
QY 155 TPGHVSVPVA 165
DB 140 VPSWPTAPVPS 150

RESULT 3
US-08-470-339-210
; Sequence 210, Application US/08470339C
; Patent No. 6232286
; GENERAL INFORMATION:
; APPLICANT: GOODEARL, ANDREW
; APPLICANT: STROOBANT, PAUL
; APPLICANT: MINGHETTI, LUISA
; APPLICANT: WATERFIELD, MICHAEL
; APPLICANT: MARCHIONNI, MARK
; APPLICANT: CHEN, MARIO S.
; APPLICANT: HILES, IAN
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; FILE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 04585/002008
; CURRENT APPLICATION NUMBER: US/08/470,339C
; EARLIER FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/036,555
; EARLIER FILING DATE: 1993-03-24
; EARLIER APPLICATION NUMBER: 07/940,389
; EARLIER FILING DATE: 1992-09-03
; EARLIER APPLICATION NUMBER: 07/907,138
; EARLIER FILING DATE: 1992-06-30
; EARLIER APPLICATION NUMBER: 07/863,703
; EARLIER FILING DATE: 1992-04-03
; EARLIER APPLICATION NUMBER: 91 07566.3 GB
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 210

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; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-470-339-210

Query Match
11.8%; Score 113.5; DB 4; Length 248;
Best Local Similarity 28.3%; Pred. No. 0.0065;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPSLRGRDAPATPCVPAECFLLVHCVACGLRTPRPKPAGASSP-----51
DB 4 RRAPRR-SGRPGP-----RAORPSAARSSPPLPLLL 38
QY 52 APTALQPOESVAGAGGALPL-PGLIFGAPALIG-----LALVLAIVGLVSWRROR 106
DB 39 LGTALALP-----GAAGNEAAPAGASVCSSPSVGSVQELAQRAAVVIEGVHPQRQO 94
QY 107 ----RLRGASSAEP--DGDKAPEPLDKVILISPGISDATAP-AMPPGEDP-----GT 154
DB 95 GALDKRAAAAAGAGAGAGMGDRP-----AAGPRALGPAAEPPLAANGT 139
QY 155 TPGHVSVPVA 165
DB 140 VPSWPTAPVPS 150

RESULT 4
US-08-467-602-207
; Sequence 207, Application US/08467602C
; Patent No. 6444642
; GENERAL INFORMATION:
; APPLICANT: Sklar, Robert
; APPLICANT: Marchionni, Mark
; APPLICANT: Gayme, David I.
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
; FILE OF INVENTION: DISORDERS
; FILE REFERENCE: 04585/028003
; CURRENT APPLICATION NUMBER: US/08/467,602C
; EARLIER FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/209,204
; EARLIER FILING DATE: 1994-03-08
; EARLIER APPLICATION NUMBER: 08/059,022
; EARLIER FILING DATE: 1993-05-06
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-467-602-207

Query Match
11.8%; Score 113.5; DB 4; Length 248;
Best Local Similarity 28.3%; Pred. No. 0.0065;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPSLRGRDAPATPCVPAECFLLVHCVACGLRTPRPKPAGASSP-----51
DB 4 RRAPRR-SGRPGP-----RAORPSAARSSPPLPLLL 38
QY 52 APTALQPOESVAGAGGALPL-PGLIFGAPALIG-----LALVLAIVGLVSWRROR 106
DB 39 LGTALALP-----GAAGNEAAPAGASVCSSPSVGSVQELAQRAAVVIEGVHPQRQO 94
QY 107 ----RLRGASSAEP--DGDKAPEPLDKVILISPGISDATAP-AMPPGEDP-----GT 154
DB 95 GALDKRAAAAAGAGAGAGMGDRP-----AAGPRALGPAAEPPLAANGT 139
QY 155 TPGHVSVPVA 165
DB 140 VPSWPTAPVPS 150

RESULT 5

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OM protein - protein search, using sw model

Run on: June 23, 2003, 15:12:32 ; Search time 26 Seconds
(without alignments)
208.224 Million cell updates/sec

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Perfect score: 965
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues
al number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
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2: /cgn2_6/prodata/1/1aa/5B-COMB.pep.*
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4: /cgn2_6/prodata/1/1aa/6B-COMB.pep.*
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6: /cgn2_6/prodata/1/1aa/backt11cell.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 113.5 | 11.8 | 248 | 3 | US-08-341-018-52 Sequence 52, Appl |
| 2 | 113.5 | 11.8 | 248 | 4 | US-08-470-335-210 Sequence 210, App |
| 3 | 113.5 | 11.8 | 248 | 4 | US-08-470-339-210 Sequence 210, App |
| 4 | 113.5 | 11.8 | 248 | 4 | US-08-467-602-207 Sequence 207, App |
| 5 | 113.5 | 11.8 | 248 | 4 | US-08-467-602-404 Sequence 404, App |
| 6 | 113.5 | 11.8 | 349 | 4 | US-08-470-335-188 Sequence 188, App |
| 7 | 113.5 | 11.8 | 382 | 4 | US-08-467-602-382 Sequence 382, App |
| 8 | 113.5 | 11.8 | 405 | 4 | US-08-467-602-384 Sequence 384, App |
| 9 | 113.5 | 11.8 | 411 | 4 | US-08-470-339-189 Sequence 189, App |
| 10 | 113.5 | 11.8 | 414 | 4 | US-08-470-339-189 Sequence 189, App |
| 11 | 113.5 | 11.8 | 422 | 1 | US-08-036-555B-170 Sequence 170, App |
| 12 | 113.5 | 11.8 | 422 | 1 | US-08-469-569-170 Sequence 170, App |
| 13 | 113.5 | 11.8 | 422 | 1 | US-08-428-926-3 Sequence 3, Appl1 |
| 14 | 113.5 | 11.8 | 422 | 1 | US-08-249-322A-170 Sequence 170, App |
| 15 | 113.5 | 11.8 | 422 | 1 | US-08-428-927-3 Sequence 3, Appl1 |
| 16 | 113.5 | 11.8 | 422 | 1 | US-08-428-928-3 Sequence 3, Appl1 |
| 17 | 113.5 | 11.8 | 422 | 1 | US-08-339-517-3 Sequence 3, Appl1 |
| 18 | 113.5 | 11.8 | 422 | 1 | US-08-469-526A-170 Sequence 170, App |
| 19 | 113.5 | 11.8 | 422 | 2 | US-08-734-591A-170 Sequence 170, App |
| 20 | 113.5 | 11.8 | 422 | 2 | US-08-469-660-170 Sequence 170, App |
| 21 | 113.5 | 11.8 | 422 | 3 | US-08-341-018-72 Sequence 72, Appl |
| 22 | 113.5 | 11.8 | 422 | 4 | US-08-470-335-170 Sequence 170, App |
| 23 | 113.5 | 11.8 | 422 | 4 | US-08-735-021-170 Sequence 170, App |
| 24 | 113.5 | 11.8 | 422 | 4 | US-08-734-664A-170 Sequence 170, App |
| 25 | 113.5 | 11.8 | 422 | 4 | US-08-470-339-170 Sequence 170, App |
| 26 | 113.5 | 11.8 | 422 | 4 | US-08-467-602-170 Sequence 170, App |
| 27 | 113.5 | 11.8 | 422 | 4 | US-08-467-602-324 Sequence 324, App |

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| 28 | 113.5 | 11.8 | 422 | 5 | PCT-US94-05083C-166 Sequence 166, App |
| 29 | 113.5 | 11.8 | 422 | 5 | PCT-US94-05083C-185 Sequence 185, App |
| 30 | 113.5 | 11.8 | 422 | 5 | PCT-US95-06946A-170 Sequence 170, App |
| 31 | 113.5 | 11.8 | 425 | 4 | US-08-470-335-226 Sequence 226, App |
| 32 | 113.5 | 11.8 | 425 | 4 | US-08-467-602-320 Sequence 320, App |
| 33 | 113.5 | 11.8 | 445 | 4 | US-08-467-602-328 Sequence 328, App |
| 34 | 113.5 | 11.8 | 456 | 4 | US-08-470-335-246 Sequence 246, App |
| 35 | 113.5 | 11.8 | 456 | 4 | US-08-467-602-366 Sequence 366, App |
| 36 | 113.5 | 11.8 | 459 | 4 | US-08-470-335-239 Sequence 239, App |
| 37 | 113.5 | 11.8 | 459 | 4 | US-08-467-602-289 Sequence 289, App |
| 38 | 113.5 | 11.8 | 459 | 4 | US-08-467-602-362 Sequence 362, App |
| 39 | 113.5 | 11.8 | 459 | 4 | US-08-467-602-307 Sequence 307, App |
| 40 | 113.5 | 11.8 | 479 | 4 | US-08-467-602-370 Sequence 370, App |
| 41 | 113.5 | 11.8 | 490 | 4 | US-08-467-602-345 Sequence 345, App |
| 42 | 113.5 | 11.8 | 493 | 4 | US-08-467-602-341 Sequence 341, App |
| 43 | 113.5 | 11.8 | 513 | 4 | US-08-467-602-349 Sequence 349, App |
| 44 | 113.5 | 11.8 | 601 | 4 | US-08-470-335-233 Sequence 233, App |
| 45 | 113.5 | 11.8 | | | |

ALIGNMENTS

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RESULT 1
US-08-341-018-52
; Sequence 52, Application US/08341018A
; Patent No. 6087323
; GENERAL INFORMATION:
; APPLICANT: Gymer, David I.
; APPLICANT: Mahantappa, Neesh K.
; APPLICANT: Marchionni, Mark A.
; APPLICANT: Birmingham-McDonogh, Olivia
; APPLICANT: Goldin, Stanley M.
; APPLICANT: McBurney, Robert N.
; TITLE OF INVENTION: USE OF NEUREGLINS AS MODULATORS OF
; FILE OF INVENTION: CELLULAR COMMUNICATION
; FILE REFERENCE: 04585/041001
; CURRENT APPLICATION NUMBER: US/08/341, 018A
; CURRENT FILING DATE: 1994-11-17
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-341-018-52

Query Match      11.8% Score 113.5; DB 3; Length 248;
Best Local Similarity 28.3%; Pred. No. 0.0065;
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

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      4  RRAPR-SGRPP-----RAQPSGARSSPLPLPLLL 38
QY      52  APTALQPSVSGAGGALPL-FGLFGAPALLG-----LATLATLVGLVSWRRQR 106
      39  LGTALAL-----GAAGGEAAPAGASVCSPPVGSVQELAQRAAVIEBKVHPQRQQ 94
QY      107  ---RLRASSALEP--DGDYDAPPLDKVILISPGISDATAP-AMPPGSDP-----GT 154
      95  GALDRKAAALAAAGAGAWGDRREP-----AAGPRALGPAPREPILAAANGT 139
QY      155  TPGHGVVPA 165
      140  VPSWPTAPVS 150

RESULT 2
US-08-470-335-210
; Sequence 210, Application US/08470335F
; Patent No. 6147190
; GENERAL INFORMATION:
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